

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2010 Levee Inspection Results**

Reclamation District No. 2095 Paradise Cut

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/13/2010 - 5/13/2010			
DWR Inspector	John Paasch			
Accompanied By	Rosie Silva RD 2095			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Paradise Cut						Left	1.45	05/13/2010 05/13/2010	John Paasch	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.13	0.35	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Annual grasses on levee toe.	37.769802 ° -121.324388 °	37.767797 ° -121.322917 °	3 Y
2	0.26	0.26	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: Rodent burrows on waterside slope.	37.768793 ° -121.323518 °	37.768793 ° -121.323518 °	4 Y
3	0.35	0.35	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: No closure devices or flap gate on discharge pipe. Pipe penetrates freeboard of levee.	37.767822 ° -121.322835 °	37.767822 ° -121.322835 °	5 Y
4	0.41	0.41	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site.	37.766942 ° -121.322287 °	37.766942 ° -121.322287 °	6 Y
5	0.54	0.54	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.765227 ° -121.321197 °	37.765227 ° -121.321197 °	7 Y
6	0.63	0.63	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps. Inspector Comments: 6 burned stumps on levee slope.	37.764407 ° -121.320110 °	37.764407 ° -121.320110 °	8 Y
7	0.63	0.63	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.764380 ° -121.320092 °	37.764380 ° -121.320092 °	9 Y
8	0.70	0.70	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake penetrates levee freeboard. No positive closure device present.	37.763780 ° -121.319147 °	37.763780 ° -121.319147 °	10 Y
9	0.70	0.70	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: Pump house near RR.	37.763630 ° -121.319045 °	37.763630 ° -121.319045 °	11 Y
10	0.73	0.74	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 2009: No major change noticeable, vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; recommend annual assessment/monitoring of site, per CES 2008 Report; site # same as RM6.8, LM0.73; previously rated "U" [2009 SiteID:RD2095U1RM6.74]	37.763630 ° -121.319000 °	37.763630 ° -121.319000 °	1 Y
11	0.75	0.75	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: Trees south of RR.	37.763048 ° -121.319090 °	37.763048 ° -121.319090 °	12 Y
12	0.75	0.85	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.762990 ° -121.318958 °	37.761885 ° -121.318287 °	13 Y
13	0.75	0.85	Earthen Levee	Vegetation	CR	M	Control annual grass and weeds on the levee slopes and easements.	37.763015 ° -121.318925 °	37.761887 ° -121.318282 °	14 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Paradise Cut				Left	1.45	05/13/2010 05/13/2010	John Paasch	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.86	0.86	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: No major change observed; near-vertical slope that has rip rap sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site# same as RM6.9, LM0.86; previously rated "U" [2009 SiteID:RD2095U1RM6.88]	37.761960 ° -121.318140 °	37.761960 ° -121.318140 °	2 Y
15	0.88	0.88	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Platform with three pumps for drainage discharge	37.761362 ° -121.318062 °	37.761362 ° -121.318062 °	15 Y
16	0.88	0.88	Earthen Levee	Encroachments	WS	M	Pipe Inspector Comments: Flap gate obstructed by debris.	37.761337 ° -121.318047 °	37.761337 ° -121.318047 °	16 Y
17	0.92	0.92	Earthen Levee	Encroachments	LS	U	Pipe Inspector Comments: North pipe is disconnected with no closure devices or flap gate. Corrosion on waterside outlet.	37.760758 ° -121.317720 °	37.760758 ° -121.317720 °	17 Y
18	0.92	0.92	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Pipe on south is connected with syphon breaker at hinge point.	37.760792 ° -121.317705 °	37.760792 ° -121.317705 °	18
19	0.92	1.45	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.760678 ° -121.317860 °	37.759373 ° -121.308405 °	19
20	0.93	1.45	Earthen Levee	Encroachments	LS	M	Agricultural tilling Inspector Comments: Discing at toe of levee is cutting into levee slope.	37.760620 ° -121.317705 °	37.759183 ° -121.308268 °	20 Y
21	1.17	1.45	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.759525 ° -121.313820 °	37.759028 ° -121.308397 °	21
22	1.23	1.23	Earthen Levee	Animal Control	LS	U	Exterminate rodents and backfill and compact or grout burrows.	37.759383 ° -121.312390 °	37.759383 ° -121.312390 °	22 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.13
End Levee Mile	0.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Control annual grasses within 10' of levee toe.

jpaasch_s_20100514_409.jpg



Levee Mile Report Line	3
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Crown
Category	Earthen Levee
Item	Encroachments

Drainage discharge into San Joaquin River.

jpaasch_s_20100514_410.jpg



Levee Mile Report Line	4
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Runoff has begun to erode levee slope.

jpaasch_s_20100514_411.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	5
Start Levee Mile	0.54
End Levee Mile	0.54
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrows on levee slope and crown.

jpaasch_s_20100514_412.jpg



Levee Mile Report Line	6
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree trunks along levee slope.

jpaasch_s_20100514_413.jpg



Levee Mile Report Line	7
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Crown
Category	Earthen Levee
Item	Animal Control

Animal burrows on levee slope and crown.

jpaasch_s_20100514_414.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	8
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake penetrates levee freeboard. Vegetation limits access to platform.	
jpaasch_s_20100514_415.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
2009:No major change noticeable, vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; recommend annual assessment/monitoring of site, per CES 2008 Report;site # same as RM6.8,LM0.73; previously rated "U" [2009 SiteID:RD2095U1RM6.74]	
SJR2009_RM6.74U1 072709A.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
2009:No major change noticeable, vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; recommend annual assessment/monitoring of site, per CES 2008 Report;site # same as RM6.8,LM0.73; previously rated "U" [2009 SiteID:RD2095U1RM6.74]	
SJR2009_RM6.74U1 072709C.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	10
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change noticeable, vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; recommend annual assessment/monitoring of site, per CES 2008 Report; site # same as RM6.8, LM0.73; previously rated "U" [2009 SiteID:RD2095U1RM6.74]

SJR2009_RM6.74U1 072709D.jpg



Levee Mile Report Line	14
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; near-vertical slope that has rip rap sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site# same as RM6.9, LM0.86; previously rated "U" [2009 SiteID:RD2095U1RM6.88]

SJR2009_RM6.88a.JPG



Levee Mile Report Line	14
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; near-vertical slope that has rip rap sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site# same as RM6.9, LM0.86; previously rated "U" [2009 SiteID:RD2095U1RM6.88]

SJR2009_RM6.88b.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	14
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; near-vertical slope that has rip rap sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site# same as RM6.9,LM0.86; previously rated "U" [2009 SiteID:RD2095U1RM6.88]

SJR2009_RM6.88c.JPG



Levee Mile Report Line	14
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; near-vertical slope that has rip rap sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site# same as RM6.9,LM0.86; previously rated "U" [2009 SiteID:RD2095U1RM6.88]

SJR2009_RM6.88d.JPG



Levee Mile Report Line	15
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Large pump platform for drainage into San Joaquin River. No positive closure devices. Pipe penetrates levee freeboard. No flap gate at outlet.

jpaasch_s_20100514_416.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	16
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Gravity drainage outlet flapgate blocked by debris.

jpaasch_s_20100514_417.jpg



Levee Mile Report Line	17
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Two pumps on platform. Two pipes cross levee.

jpaasch_s_20100514_418.jpg



Levee Mile Report Line	17
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pipe outlet to San Joaquin River. Pipe is severely corroded with no closure devices. Uncertain if pipe penetrates through freeboard.

jpaasch_s_20100514_419.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	20
Start Levee Mile	0.93
End Levee Mile	1.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing of levee toe between slope and drainage ditch to manage vegetation.

jpaasch_s_20100514_421.jpg



Levee Mile Report Line	22
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Large animal burrow at landside hinge point.

jpaasch_s_20100514_420.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/13/2010 - 5/13/2010			
DWR Inspector	John Paasch			
Accompanied By	Rosie Silva RD 2095			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River							Left	3.38	05/13/2010 05/13/2010	John Paasch
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.50	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.759620 ° -121.308703 °	37.752983 ° -121.305120 °	4
2	0.00	0.50	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.759623 ° -121.308672 °	37.752998 ° -121.305120 °	3
3	0.17	0.31	Earthen Levee	Encroachments	LS	M	Agricultural tilling	37.757630 ° -121.306530 °	37.755663 ° -121.305733 °	5 Y
4	0.45	0.45	Earthen Levee	Slope Stability	LS	W	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: 4 wheeler traffic on levee slope.	37.753697 ° -121.305812 °	37.753697 ° -121.305812 °	7
5	0.47	0.58	Earthen Levee	Encroachments	LS	M	Agricultural tilling	37.753452 ° -121.305500 °	37.752038 ° -121.304512 °	8
6	0.62	0.62	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.751668 ° -121.304302 °	37.751668 ° -121.304302 °	6
7	0.63	1.94	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.751415 ° -121.304450 °	37.737712 ° -121.298268 °	9
8	0.64	1.89	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.751273 ° -121.304485 °	37.738500 ° -121.298443 °	10 Y
9	0.76	0.76	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Pipes penetrate levee freeboard. Syphon breakers present.	37.749710 ° -121.303263 °	37.749710 ° -121.303263 °	11 Y
10	0.80	0.80	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Intake pump and pipe.	37.749337 ° -121.302552 °	37.749337 ° -121.302552 °	13
11	0.98	0.98	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.749737 ° -121.300002 °	37.749737 ° -121.300002 °	940
12	1.01	1.01	Earthen Levee	Vegetation	WS	U	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Dense bush within 20' of crown on waterside slope.	37.749650 ° -121.299362 °	37.749650 ° -121.299362 °	941 Y
13	1.03	1.03	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.749557 ° -121.299053 °	37.749557 ° -121.299053 °	942
14	1.33	1.33	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Burnt tree stump on levee slope.	37.745057 ° -121.297618 °	37.745057 ° -121.297618 °	14
15	1.54	1.54	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.742828 ° -121.297532 °	37.742828 ° -121.297532 °	12 Y
16	1.67	1.67	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Discharge pipe into San Joaquin River. Anti-syphon valve present. Pipe penetrates levee freeboard.	37.741140 ° -121.296328 °	37.741140 ° -121.296328 °	15

*** Location**

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WS : Water Side
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Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River						Left	3.38	05/13/2010 05/13/2010	John Paasch

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
17	1.67	1.67	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion of levee slope due to pipe.	37.741126 ° -121.296329 °	37.741126 ° -121.296329 °	16 Y
18	1.77	1.80	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: Site immediately downstream of existing rip rap; there is a 20-ft berm remaining; however, berm will continue to erode, eventually erode into the levee profile; site # same as RM62.6, LM1.87; recommend annual assessment, per CES Evaluation 2008 Report [2009 SiteID:RD2095U2RM60.62]	37.740196 ° -121.297662 °	37.740196 ° -121.297662 °	1 Y
19	1.81	1.81	Earthen Levee	Erosion / Bank Caving	LS	C	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion site filled in and planted to stabilize slope.	37.739710 ° -121.297943 °	37.739710 ° -121.297943 °	18
20	1.85	1.89	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 2009: No major change observed; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap; roughly 15-ft berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated [2009 SiteID:RD2095U2RM60.69]	37.738880 ° -121.298260 °	37.738880 ° -121.298260 °	2 Y
21	1.90	1.90	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.738252 ° -121.298068 °	37.738252 ° -121.298068 °	17
22	2.10	2.10	Earthen Levee	Encroachments	WS	W	Pipe	37.735483 ° -121.297912 °	37.735483 ° -121.297912 °	19 Y
23	2.13	2.13	Earthen Levee	Encroachments	LS	C	Prunings	37.735273 ° -121.297855 °	37.735273 ° -121.297855 °	943
24	2.14	2.14	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.734858 ° -121.297758 °	37.734858 ° -121.297758 °	20
25	2.15	2.80	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.734832 ° -121.297722 °	37.725722 ° -121.299973 °	21 Y
26	2.30	2.80	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.732730 ° -121.297500 °	37.725730 ° -121.300018 °	22
27	2.39	2.39	Earthen Levee	Encroachments	CR	W	Pipe	37.731555 ° -121.298283 °	37.731555 ° -121.298283 °	23 Y
28	2.58	2.58	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.728912 ° -121.299110 °	37.728912 ° -121.299110 °	24
29	2.72	2.72	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Pipe connections have been made. Permit application needed for this emergency repair.	37.726893 ° -121.299542 °	37.726893 ° -121.299542 °	26 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
30	2.73	2.73	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Discharge pipe with closure structure on waterside hinge point.	37.726733 ° -121.299367 °	37.726733 ° -121.299367 °	25

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing at levee toe is cutting into levee slope.

jpaasch_s_20100514_422.jpg



Levee Mile Report Line	8
Start Levee Mile	0.64
End Levee Mile	1.89
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Annual grasses and weeds on levee slope.

jpaasch_s_20100514_423.jpg



Levee Mile Report Line	9
Start Levee Mile	0.76
End Levee Mile	0.76
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake pumps on San Joaquin River.

jpaasch_s_20100514_424.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	12
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Dense vegetation on top 20' of waterside slope obstructs access and visibility.	
jpaasch_s_20100521_437.jpg	



Levee Mile Report Line	15
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Vegetation on waterside slope obstructs access and visibility.	
jpaasch_s_20100521_438.jpg	



Levee Mile Report Line	17
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion around pipe penetration at levee slope.	
jpaasch_s_20100514_425.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	18
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Site immediately downstream of existing rip rap; there is a 20-ft berm remaining; however, berm will continue to erode, eventually erode into the levee profile; site # same as RM62.6,LM1.87; recommend annual assessment, per CES Evaluation 2008 Report [2009 SiteID:RD2095U2RM60.62]

SJR2009_RM60.62U2 D.JPG



Levee Mile Report Line	18
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Site immediately downstream of existing rip rap; there is a 20-ft berm remaining; however, berm will continue to erode, eventually erode into the levee profile; site # same as RM62.6,LM1.87; recommend annual assessment, per CES Evaluation 2008 Report [2009 SiteID:RD2095U2RM60.62]

SJR2009_RM60.62U2 E.JPG



Levee Mile Report Line	18
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Site immediately downstream of existing rip rap; there is a 20-ft berm remaining; however, berm will continue to erode, eventually erode into the levee profile; site # same as RM62.6,LM1.87; recommend annual assessment, per CES Evaluation 2008 Report [2009 SiteID:RD2095U2RM60.62]

SJR2009_RM60.62U2 F.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	20
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap; roughly 15-ft berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated [2009 SiteID:RD2095U2RM60.69]

SJR2009_RM60.69a.JPG



Levee Mile Report Line	20
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap; roughly 15-ft berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated [2009 SiteID:RD2095U2RM60.69]

SJR2009_RM60.69b.JPG



Levee Mile Report Line	20
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap; roughly 15-ft berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated [2009 SiteID:RD2095U2RM60.69]

SJR2009_RM60.69c.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	22
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Intake on San Joaquin River. Pipe penetrates levee freeboard.	
jpaasch_s_20100514_426.jpg	



Levee Mile Report Line	25
Start Levee Mile	2.15
End Levee Mile	2.80
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Annual grasses and weeds on levee slopes.	
jpaasch_s_20100514_427.jpg	



Levee Mile Report Line	27
Start Levee Mile	2.39
End Levee Mile	2.39
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge into San Joaquin River. Pipe appears to penetrate below levee freeboard. No closure devices found. Elevated at pump connection.	
jpaasch_s_20100514_428.jpg	

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W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/13/2010 05/13/2010	John Paasch

Levee Mile Report Line	29
Start Levee Mile	2.72
End Levee Mile	2.72
Location	Crown
Category	Earthen Levee
Item	Encroachments

Plastic pipe connection made on landside.

jpaasch_s_20100514_429.jpg



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U : Unacceptable N : Not Inspected